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**FACSIMILE TRANSMISSION COVER SHEET**

DATE: July 11, 2005

TO: Ms. Mamie Person  
PTO/PCT Department  
2900 South Tower, Arlington  
Virginia 22202

RE: Per your request

FROM: Roy Martin A. Pelayo

NUMBER OF PAGES (INCLUDING THIS COVER SHEET):11

FACSIMILE NUMBER: 703 -746-6699

***PLEASE ACKNOWLEDGE SAFE AND CLEAR RECEIPT OF ALL PAGES BEING SENT***

Dear Ms. Person:

Further to our telephone conversation today, enclosed herewith are copies of the Transmittal Letter, the executed Declaration filed January 10, 2005, and the Notification of Missing Requirements and a 1 page letter (with enclosures via mail) which was mailed to you on June 17, 2005.

Should you have any questions, please feel free to contact us.

With kind regards,

Very truly yours,

**ARMSTRONG, KRATZ, QUINTOS,  
HANSON & BROOKS, LLP**

**THE INFORMATION CONTAINED IN THIS MESSAGE IS CONFIDENTIAL INFORMATION INTENDED ONLY FOR THE USE OF THE INDIVIDUAL OR ENTITY TO WHICH IT IS ADDRESSED.** This message may also be an attorney/client communication which is privileged and confidential. If the reader of this message is not the intended recipient, or the employee or agent responsible to deliver it to the intended recipient, you are hereby notified that any distribution or copying of this communication is strictly prohibited. If you have received this communication in error, please notify us immediately by calling us collect and return the original message to us at the above address by mail. Thank you.

**ARMSTRONG, KRATZ, QUINTOS, HANSON & BROOKS, LLP**

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June 17, 2005

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\*Practice limited to matters and proceedings  
before federal courts and agencies

Ms. Mamie P. Person  
PTO/PCT Department  
2900 South Tower, Arlington  
Virginia 22202

Re: **Notification of Missing Requirements,  
Transmittal Letter and Executed Declaration documents  
filed January 10, 2005**  
U.S. Patent Appln. S.N.: **10/519,831**  
By: **Shigeru KOHINATA, et al.**  
Your Ref: **FSK020038PCT-US33**  
Our Ref: **P3273-2900-040660**

Dear Ms. Person:

Further to our telephone conversation on June 9, 2005, please find enclosed documents regarding the Notification of Missing Requirements dated May 13, 2005, indicating that the Declaration was not signed or executed. As a proof, we are sending you a copies of the Transmittal Letter, the executed Declaration filed January 10, 2005, and the Notification of Missing Requirements.

If you have any questions, please feel free to contact us.

With kind regards,

Very truly yours,

**ARMSTRONG, KRATZ, QUINTOS,  
HANSON & BROOKS, LLP.**

Enclosures: Copy of the Notification of Missing Requirements dated May 13, 2005,  
Copies of the Transmittal Letter and Executed Declaration, filed January 10, 2005.

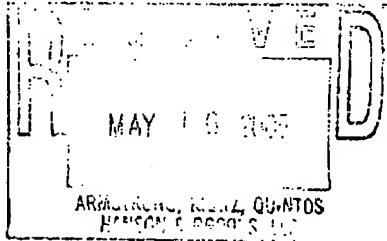


## UNITED STATES PATENT AND TRADEMARK OFFICE

UNITED STATES DEPARTMENT OF COMMERCE  
 United States Patent and Trademark Office  
 Address: COMMISSIONER FOR PATENTS  
 P.O. Box 1450  
 Alexandria, Virginia 22313-1450  
[www.uspto.gov](http://www.uspto.gov)

U.S. APPLICATION NUMBER NO.	FIRST NAMED APPLICANT	ATTY. DOCKET NO.
10/519,831	Shigeru Kohinata	040660
INTERNATIONAL APPLICATION NO.		
PCT/JP02/I2995		
IA. FILING DATE	PRIORITY DATE	
12/12/2002	07/18/2002	
CONFIRMATION NO. 9778		
371 FORMALITIES LETTER		
 *OC000000015919755*		

23850  
 ARMSTRONG, KRATZ, QUINTOS, HANSON & BROOKS, LLP  
 1725 K STREET, NW  
 SUITE 1000  
 WASHINGTON, DC 20006



Date Mailed: 05/13/2005

DUE: JULY 13, 2005

## NOTIFICATION OF MISSING REQUIREMENTS UNDER 35 U.S.C. 371 IN THE UNITED STATES DESIGNATED/ELECTED OFFICE (DO/EO/US)

The following items have been submitted by the applicant or the IB to the United States Patent and Trademark Office as a Designated / Elected Office (37 CFR 1.495).

- Copy of the International Application filed on 01/10/2005
- Copy of the International Search Report filed on 01/10/2005
- Copy of IPE Report filed on 01/10/2005
- Preliminary Amendments filed on 01/10/2005
- Information Disclosure Statements filed on 01/10/2005
- Oath or Declaration filed on 01/10/2005
- Request for Immediate Examination filed on 01/10/2005
- Copy of references cited in ISR filed on 01/10/2005
- U.S. Basic National Fees filed on 01/10/2005
- Assignment filed on 01/10/2005

PCT-National phase  
 Priority 7-18-02  
 20 months  
 20 months  
 32 months: 3-18-05

The following items **MUST** be furnished within the period set forth below in order to complete the requirements for acceptance under 35 U.S.C. 371:

- Oath or declaration of the inventors, in compliance with 37 CFR 1.497(a) and (b), identifying the application by the International application number and international filing date. The current oath or declaration does not comply with 37 CFR 1.497(a) and (b) in that it:
  - is not executed in accordance with either 37 CFR 1.66 or 37 CFR 1.68.
- \$130 Surcharge for providing the oath or declaration later than 30 months from the priority date (37 CFR 1.492(e)) is required.

## SUMMARY OF FEES DUE:

Total additional fees required for this application is \$130 for a Large Entity:

*SEARCHED* *INDEXED*  
*SERIALIZED* *FILED*  
*5/17/05*

- \$130 Late oath or declaration Surcharge.

**ALL OF THE ITEMS SET FORTH ABOVE MUST BE SUBMITTED WITHIN TWO (2) MONTHS FROM THE DATE OF THIS NOTICE OR BY 32 MONTHS FROM THE PRIORITY DATE FOR THE APPLICATION, WHICHEVER IS LATER. FAILURE TO PROPERLY RESPOND WILL RESULT IN ABANDONMENT.**

The time period set above may be extended by filing a petition and fee for extension of time under the provisions of 37 CFR 1.136(a).

Applicant is reminded that any communications to the United States Patent and Trademark Office must be mailed to the address given in the heading and include the U.S. application no. shown above (37 CFR 1.5)

*A copy of this notice MUST be returned with the response.*

MAMIE P PERSON

---

Telephone: (703) 308-9140 EXT 227

**PART I - ATTORNEY/APPLICANT COPY**

U.S. APPLICATION NUMBER NO.	INTERNATIONAL APPLICATION NO.	ATTY. DOCKET NO.
10/519,831	PCT/JP02/12995	040660

FORM PCT/DO/EO/905 (371 Formalities Notice)

ATTORNEY'S DOCKET NO: 040660

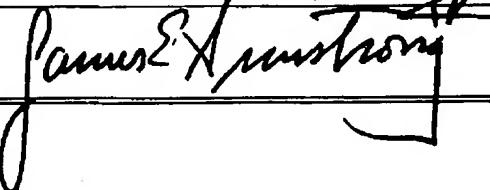
U.S. DEPARTMENT OF COMMERCE, PATENT AND TRADEMARK OFFICE		DATE: January 10, 2005
<b>TRANSMITTAL LETTER TO THE UNITED STATES DESIGNATED/ELECTED OFFICE (DO/EO/US) CONCERNING A FILING UNDER 35 U.S.C. 371</b>		U.S. APPLN. NO. (if known):
INTERNATIONAL APPLICATION NO.: PCT/JP02/012995	INTERNATIONAL FILING DATE: December 12, 2002	PRIORITY DATE CLAIMED: July 18, 2002
<b>TITLE OF INVENTION: THERMOSET OPTICAL-PURPOSE ADHESIVE, AND OPTICAL ISOLATOR ELEMENT AND OPTICAL ISOLATOR TO WHICH THIS ADHESIVE HAS BEEN APPLIED</b>		
<b>APPLICANT(S) FOR DO/EO/US:</b> Shigeru KOHINATA and Daiki SHIGA		
Applicant hereby submits to the United States Designated/Elected Office (DO/EO/US) the following items and other information:		
<p>1. <input checked="" type="checkbox"/> This is a <b>FIRST</b> submission of items concerning a filing under 35 U.S.C. 371.</p> <p>2. <input type="checkbox"/> This is a <b>SECOND</b> or <b>SUBSEQUENT</b> submission of items concerning a filing under 35 U.S.C. 371.</p> <p>3. <input checked="" type="checkbox"/> This is an express request to begin national examination procedures (35 USC 371(f)) at any time rather than delay examination until the expiration of the time limit set in 35 USC 371(b) and PCT Articles 22 and 39(1).</p> <p>4. <input type="checkbox"/> A proper Demand for International Preliminary Examination was made by the 19th month from the earliest claimed priority date.</p> <p>5. <input checked="" type="checkbox"/> A copy of the International Application as filed (35 U.S.C. 371(c)(2)):</p> <ul style="list-style-type: none"> <li>a. <input type="checkbox"/> is transmitted herewith (required only if not transmitted by the International Bureau).</li> <li>b. <input checked="" type="checkbox"/> has been transmitted by the International Bureau.</li> <li>c. <input type="checkbox"/> is not required, as the application was filed in the United States Receiving Office (RO/US)</li> </ul> <p>6. <input checked="" type="checkbox"/> A translation of the International Application into English (35 U.S.C. 371(c)(2)).</p> <p>7. <input checked="" type="checkbox"/> Amendments to the claims of the International Application under PCT Article 19 (35 U.S.C. 371(c)(3))</p> <ul style="list-style-type: none"> <li>a. <input checked="" type="checkbox"/> are transmitted herewith (required only if not transmitted by the International Bureau).</li> <li>b. <input type="checkbox"/> have been transmitted by the International Bureau.</li> <li>c. <input type="checkbox"/> have not been made; however, the time limit for making such amendments has NOT expired.</li> <li>d. <input type="checkbox"/> have not been made and will not be made.</li> </ul> <p>8. <input checked="" type="checkbox"/> A translation of the amendments to the claims under PCT Article 19 (35 U.S.C. 371(c)(3)). (10 Sheets)</p> <p>9. <input checked="" type="checkbox"/> An oath or declaration of the Inventor(s) (35 U.S.C. 371(c)(4)).</p> <p>10. <input type="checkbox"/> A translation of the annexes to the International Preliminary Examination Report under PCT Article 36 (35 U.S.C. 371(c)(5)).</p>		
<b>ITEMS 11. TO 16. BELOW CONCERN OTHER DOCUMENT(S) OR INFORMATION INCLUDED:</b>		
<p>11. <input checked="" type="checkbox"/> An Information Disclosure Statement under 37 CFR 1.97 and 1.98 together with PTO-1449, 8 references and International Search Report.</p> <p>12. <input checked="" type="checkbox"/> a. An assignment document for recording. A separate cover sheet in compliance with 37 CFR 3.28 and 3.31 is included.  <input checked="" type="checkbox"/> b. ASSIGNEE(s) NAME(s) AND ADDRESS <u>SUMITOMO METAL MINING CO., LTD., Tokyo, Japan</u>  <b>Please publish the assignee data with the application.</b></p> <p>13. <input checked="" type="checkbox"/> A <b>FIRST</b> preliminary amendment.  <input type="checkbox"/> A <b>SECOND</b> or <b>SUBSEQUENT</b> preliminary amendment</p> <p>14. <input type="checkbox"/> A substitute specification.</p> <p>15. <input type="checkbox"/> A change of power of attorney and/or address letter.</p> <p>16. <input checked="" type="checkbox"/> Other items or information: 5 Sheets of Drawings.</p>		

ATTORNEY'S DOCKET NO:040660

U.S. APPLICATION NO. (if known)	INTERNATIONAL APPLICATION NO. PCT/JP02/012995	DATE: January 10, 2005																																											
17. <input checked="" type="checkbox"/> The following fees are submitted:																																													
<b>Basic National Fee (37 CFR 1.492(a)(1)-(5):</b> Search Report has been prepared by the EPO or JPO: ..... \$300.00			<u>CALCULATIONS</u>																																										
Search Fee ..... \$500.00			PTO USE ONLY																																										
Examination Fee ..... \$200.00																																													
ENTER APPROPRIATE BASIC FEE AMOUNT =			\$1000.00																																										
<p>Additional fee for specification and drawings filed in paper over 100 sheets (excluding sequence listing or computer program listing filed in an electronic medium). the fee is \$250.00 for each additional 50 sheets of paper or fraction thereof.</p> <table border="1" style="width: 100%;"> <tr> <th>Total Sheets</th> <th>Extra sheets</th> <th>Number of each additional 50 or fraction thereof (round up to a whole number)</th> <th>RATE</th> </tr> <tr> <td>38 - 100 =</td> <td>/ 50 =</td> <td></td> <td>x \$250.00</td> </tr> </table>				Total Sheets	Extra sheets	Number of each additional 50 or fraction thereof (round up to a whole number)	RATE	38 - 100 =	/ 50 =		x \$250.00																																		
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<p>Surcharge of <b>\$130.00</b> for furnishing the oath or declaration later than <u>20</u> 30 months from the earliest claimed priority date (37 DVR 1.492(e)).</p> <table border="1" style="width: 100%;"> <tr> <th>CLAIMS</th> <th>NUMBER FILED</th> <th>NUMBER EXTRA</th> <th>RATE</th> </tr> <tr> <td>TOTAL</td> <td>12 - 20 =</td> <td></td> <td>X \$ 50.00</td> </tr> <tr> <td>INDEPENDENT</td> <td>1 - 3 =</td> <td></td> <td>X \$ 200.00</td> </tr> <tr> <td colspan="2">Multiple dependent claims(s) (if applicable)</td> <td>+ \$360.00</td> <td></td> </tr> <tr> <td colspan="3" style="text-align: right;"><b>TOTAL OF ABOVE CALCULATIONS =</b></td> <td><b>\$1000.00</b></td> </tr> <tr> <td colspan="4"> <p>Reduction by 1/2 for filing by small entity, if applicable. (Note 37 CFR 1.9, 1.27, 1.28).</p> <table border="1" style="width: 100%;"> <tr> <td style="text-align: right;"><b>SUBTOTAL =</b></td> <td><b>\$1000.00</b></td> </tr> </table> </td> </tr> <tr> <td colspan="4"> <p>Processing fee of <b>\$130.00</b> for furnishing the English translation later than <u>20</u> 30 months from the earliest claimed priority date (37 CFR 1.492(f)). +</p> <table border="1" style="width: 100%;"> <tr> <td style="text-align: right;"><b>TOTAL NATIONAL FEE =</b></td> <td><b>\$1000.00</b></td> </tr> </table> </td> </tr> <tr> <td colspan="4"> <p>Fee for recording the enclosed assignment (37 CFR 1.21(h)). The assignment must be accompanied by an appropriate cover sheet (37 CFR 3.28, 3.31). <b>\$40.00 per property +</b></p> <table border="1" style="width: 100%;"> <tr> <td style="text-align: right;"><b>TOTAL FEES ENCLOSED =</b></td> <td><b>\$1040.00</b></td> </tr> </table> </td> </tr> <tr> <td colspan="3"></td> <td>           Amount to be:            refunded _____            charged _____         </td> </tr> </table>				CLAIMS	NUMBER FILED	NUMBER EXTRA	RATE	TOTAL	12 - 20 =		X \$ 50.00	INDEPENDENT	1 - 3 =		X \$ 200.00	Multiple dependent claims(s) (if applicable)		+ \$360.00		<b>TOTAL OF ABOVE CALCULATIONS =</b>			<b>\$1000.00</b>	<p>Reduction by 1/2 for filing by small entity, if applicable. (Note 37 CFR 1.9, 1.27, 1.28).</p> <table border="1" style="width: 100%;"> <tr> <td style="text-align: right;"><b>SUBTOTAL =</b></td> <td><b>\$1000.00</b></td> </tr> </table>				<b>SUBTOTAL =</b>	<b>\$1000.00</b>	<p>Processing fee of <b>\$130.00</b> for furnishing the English translation later than <u>20</u> 30 months from the earliest claimed priority date (37 CFR 1.492(f)). +</p> <table border="1" style="width: 100%;"> <tr> <td style="text-align: right;"><b>TOTAL NATIONAL FEE =</b></td> <td><b>\$1000.00</b></td> </tr> </table>				<b>TOTAL NATIONAL FEE =</b>	<b>\$1000.00</b>	<p>Fee for recording the enclosed assignment (37 CFR 1.21(h)). The assignment must be accompanied by an appropriate cover sheet (37 CFR 3.28, 3.31). <b>\$40.00 per property +</b></p> <table border="1" style="width: 100%;"> <tr> <td style="text-align: right;"><b>TOTAL FEES ENCLOSED =</b></td> <td><b>\$1040.00</b></td> </tr> </table>				<b>TOTAL FEES ENCLOSED =</b>	<b>\$1040.00</b>				Amount to be: refunded _____ charged _____
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			Amount to be: refunded _____ charged _____																																										

ATTORNEY'S DOCKET NO: 040660

U.S. APPLICATION NO. (if known)	INTERNATIONAL APPLICATION NO. PCT/JPO2/012995	DATE: January 10, 2005
<p>a. <input checked="" type="checkbox"/> A check in the amount of \$1040.00 to cover the above fees is enclosed. (\$300.00 for basic fee, \$500.00 for search fee, \$200.00 for examination fee and \$40.00 for assignment.) (This paper is filed in triplicate)</p> <p>b. <input type="checkbox"/> Please charge my Deposit Account No. 01-2340 in the amount of \$____ to cover the above fees. (A duplicate copy of this sheet is enclosed.)</p> <p>c. <input checked="" type="checkbox"/> The Commissioner is hereby authorized to charge any additional fees which may be required, or credit any overpayment to Deposit Account No. 01-2340.</p> <p>NOTE: Where an appropriate time limit under 37 CFR 1.494 or 1.495 has not been met, a petition to revive (37 CFR 1.137(a) or (b)) must be filed to request that the application be restored to pending status.</p>		

Send All Correspondence To:	
Armstrong, Kratz, Quintos, Hanson & Brooks, LLP Suite 1000, 1725 K Street, N.W. Washington, D.C. 20006 Tel: (202) 659-2930 Fax: (202) 887-0357	23850 PATENT TRADEMARK OFFICE
Typed or Printed Name      James E. Armstrong, IV	Reg. No. 42,266
Signature 	Date:      January 10, 2005

JAM/jaz

Docket No.

Armstrong, Kra Quintos, Hanson &amp; Brooks, LLP

## DECLARATION FOR U.S. PATENT APPLICATION

As a below named inventor, I hereby declare that:

My residence, post office address and citizenship are as stated below next to my name.

I believe I am the original, first and sole inventor (if only one name is listed below) or an original, first and joint inventor (if plural names are listed below) of the subject matter which is claimed and for which a patent is sought on the invention entitled:

**THERMOSET OPTICAL-PURPOSE ADHESIVE, AND OPTICAL ISOLATOR ELEMENT  
AND OPTICAL ISOLATOR TO WHICH THIS ADHESIVE HAS BEEN APPLIED**

the specification of which is attached hereto unless the following is checked

was filed on \_\_\_\_\_ as United States Application Number or was filed on DECEMBER 12, 2002 as PCT

International Application Number PCT/JP02/12995 and was amended on SEPTEMBER 30, 2003 (if applicable).

I hereby state that I have reviewed and understand the contents of the above-identified specification, including the claim(s), as amended by any amendment referred above.

I acknowledge the duty to disclose information which is material to patentability as defined in Title 37, Code of Federal Regulations, § 1.56.

I hereby claim foreign priority benefits under Title 35, United States Code, § 119 (a) – (d) of any foreign application(s) for patent or inventor's certificate listed below and have also identified below any foreign application for patent or inventor's certificate having a filing date before that of the application for which priority is claimed.

(List prior foreign applications. See note A)

			Priority Claimed
(Number)	(Country)	(Day/Month/Year Filed)	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
209754/2002	JAPAN	18/07/2002	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
353752/2002	JAPAN	05/12/2002	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
(Number)	(Country)	(Day/Month/Year Filed)	<input type="checkbox"/> Yes <input type="checkbox"/> No
(Number)	(Country)	(Day/Month/Year Filed)	<input type="checkbox"/> Yes <input type="checkbox"/> No

(See note B )  See attached list for additional prior foreign applications

I hereby claim the benefit under Title 35, United States Code, § 120 of any United States application(s) listed below and, insofar as the subject matter of each of the claims of this application is not disclosed in the prior United States application in the manner provided by the first paragraph of Title 35, United States Code, § 112, I acknowledge the duty to disclose information which is material to patentability as defined in Title 37, Code of Federal Regulations, § 1.56 which became available between the filing date of the prior application and the national or PCT international filing date of this application.

(List prior U.S. Applications)

		Status
(Application Serial No.)	(Filing Date)	<input type="checkbox"/> Patented <input type="checkbox"/> Pending <input type="checkbox"/> Abandoned
(Application Serial No.)	(Filing Date)	<input type="checkbox"/> Patented <input type="checkbox"/> Pending <input type="checkbox"/> Abandoned
(Application Serial No.)	(Filing Date)	<input type="checkbox"/> Patented <input type="checkbox"/> Pending <input type="checkbox"/> Abandoned

I hereby appoint the following attorney(s) and/or agent(s) to prosecute this application and to transact all business in the Patent and Trademark Office connected therewith:

23850

PATENT TRADEMARK OFFICE

Please direct all communications to the following address:

23850

PATENT TRADEMARK OFFICE

I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Title 18 of the United States Code, § 1001 and that such willful false statements may jeopardize the validity of the application or any patent issued thereon.

(See note C) Full name of sole or first inventor (given name, family name) Shigeru KOHINATA  
 Inventor's signature Shigeru Kohinata Date December 21, 2004  
 Residence Tokyo, Japan Citizenship Japanese  
 Post Office Address c/o Electronics Division, SUMITOMO METAL MINING Co., Ltd.  
1-6-1, Suehiro-cho Ohme-shi, Tokyo 198-8601 Japan

Full name of second inventor (given name, family name) Daiki SHICA  
 Inventor's signature Daiki Shica Date December 21, 2004  
 Residence Tokyo, Japan Citizenship Japanese  
 Post Office Address c/o Electronics Division, SUMITOMO METAL MINING Co., Ltd.  
1-6-1, Suehiro-cho Ohme-shi, Tokyo 198-8601 Japan

Full name of third inventor (given name, family name)  
 Inventor's signature \_\_\_\_\_ Date \_\_\_\_\_  
 Residence \_\_\_\_\_ Citizenship \_\_\_\_\_  
 Post Office Address \_\_\_\_\_

Full name of fourth inventor (given name, family name)  
 Inventor's signature \_\_\_\_\_ Date \_\_\_\_\_  
 Residence \_\_\_\_\_ Citizenship \_\_\_\_\_  
 Post Office Address \_\_\_\_\_

Full name of fifth inventor (given name, family name)  
 Inventor's signature \_\_\_\_\_ Date \_\_\_\_\_  
 Residence \_\_\_\_\_ Citizenship \_\_\_\_\_  
 Post Office Address \_\_\_\_\_

## NOTES

- A. Please list all foreign applications relating to the invention and check block, "yes" or "no".
- B. If more than 4 prior foreign applications, please check this box and attach a sheet listing the remaining prior foreign applications.
- C. For residence in the U.S., indicate city and state, for residence outside the U.S., indicate city and country. The "Post Office Address" must be an address acceptable by a Post Office for delivery of mail.

Full name of sixth inventor (given name, family name)

Inventor's signature

Date

Residence

Citizenship

Post Office Address

Full name of seventh inventor (given name, family name)

Inventor's signature

Date

Residence

Citizenship

Post Office Address

Full name of eighth inventor (given name, family name)

Inventor's signature

Date

Residence

Citizenship

Post Office Address

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